

What is claimed is:

1. A synchronization protecting and setting system for signals received in a radio base station comprising:

5 a first means for generating a first synchronized word detecting window, which covers a position of a synchronized word in a reception signal for a reference timing for transmission in the radio base station;

10 a second means for generating a second synchronized word detecting window, which covers the position of the synchronized word in the first synchronized word detecting window;

a means for detecting the synchronized word in the first or second synchronized word detecting window; and

15 a control means for resetting the position of the second synchronized word detecting window in the first synchronized word detecting window under a predetermined condition.

2. The system according to claim 1,

20 wherein the second synchronized word detecting window is controlled so that when the synchronized word detecting means detects the synchronized word in the first synchronized word detecting window, the synchronized word is detected within the second synchronized word detecting window in the next frame.

25 3. The system according to claim 1,

wherein the synchronized word is formed of plural bits, and the control means resets the position of the second synchronized

word detecting window, when a bit error rate of the synchronized word is more than a predetermined value.

4. The system according to claim 1,

5 wherein the reception signal further includes a color code formed of plural bits, and the control means resets the position of the second synchronized word detecting window, when a bit error rate of the color code is more than a predetermined value.

10 5. The system according to claim 1,

wherein the control means resets the second synchronized word detecting window, when a difference of phases in the number of frames of the signals received in the radio base station is more than a predetermined value.

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6. The system according to claim 1,

wherein the control means resets the second synchronized word detecting window, when the result of BCH decoding for signals received in the radio base station is mistaken.

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7. The system according to claim 1,

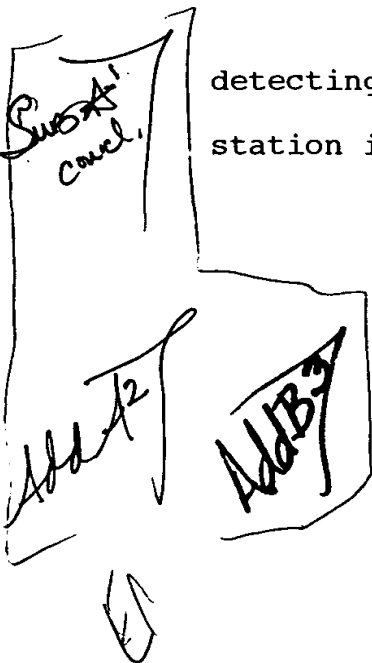
wherein the control means resets the second synchronized word detecting windows, when the result of CRC arithmetic for signals received in the radio base station is mistaken.

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8. The system according to claim 1,

wherein the control means resets the second synchronized word

detecting window, when the signal received in the radio base station is less than a predetermined value.



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